POPULATION HEALTH FACILITY

UWAC - ULAC
PROJECT GOALS

**Foster collaboration and connectivity** amongst those working within the facility, with other programs and with researchers at UW, local and global partners, and students

**Promote healthy living** within and around the new facility

**Design space that is flexible and adaptable** to meet the evolving needs of IHME, DGH and SPH

**Employ best practices in sustainable building** to reduce energy and water use, lower life cycle costs, and improve occupant satisfaction and health

Support and **further the institution-wide population health vision.**
CONNECTION TO THE PLANET

communications  reduced water use  reduced carbon emissions  responsible materials
CONNECTION TO THE CAMPUS + REGION

energy  iconic views  accessibility  stormwater
Site Program

- Stevens Way Entry
- North Court
- People Watching Promenade
- Lounging Outdoor Studio Space
- South Court Food View Gathering Fundraising Events
- 15th Street Access
- Bikes/Pads

Images of various outdoor spaces and events.
June Session Site Comments

Consider both E/W Pedestrian Populations – Arch Hall to Gould & General UW

Can more trees be preserved north of the building?

Activate 15th 30’ Building Setback Allee of Trees

Apply sustainability goals to site.

George Washington Lane View – Terminated or Open?

Short Compression at Architecture Hall ok.

For a garden experience – consider proportion of green to hardscape.
POPULATION HEALTH FACILITY

landscape design progress
SITE CONNECTIVITY

CAMPUS CONNECTIVITY
- Pedestrians & ADA Circulation
- Bicycle Parking & Circulation
- ADA Parking & Transit

ENVIRONMENTAL CONNECTIVITY
- Tree Preservation
- Sustainable Stormwater
- Horticulture

HUMAN CONNECTIVITY
- Health & Wellness
- Social Interaction & Events
The UW has a number of high-profile passages that provide access from the center of campus to the periphery, the most significant of these being Memorial Way, Klickitat Lane, Skamania Lane, Kincaid Lane, and others, which create enjoyable environments and provide a sense of continuity at the core of the campus experience. Some shorter passages, such as Memorial Way and Campus Parkway, to dead-end connected, or resolved at their ends. It is a lost opportunity to allow passages, such as Memorial Way and Campus Parkway, to dead-end connected, or resolved at their ends. It is a lost opportunity to allow passages, such as Memorial Way and Campus Parkway, to dead-end connected, or resolved at their ends. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square. A greater sense of continuity could be achieved by targeting a few, admittedly challenging, obstructions, as they approach Red Square.
LANDSCAPE MOSAIC: PROPOSED

PASSAGE
WOODLAND GROVE
COURTYARD/TERRACES
URBAN FRONTAGE
LANDSCAPE MOSAIC: PROPOSED

- **PASSAGE**
  - CAMPUS CONNECTOR - GRANT LANE

- **TERRACES**

- **URBAN FRONTAGE** - 15TH STREET

- **WOODLAND GROVE** - GARDEN WALK

URBAN PASSAGE - ASOTIN LANE
SOCIAL CONNECTIVITY

SOUTH COURT
SOCIAL PROSPECT
ARCH TERRACE
PHF TERRACE
SOUTH COURT

Architecture Hall
Gathrie Hall
Physics/Astronomy
Population Health

Meany Hall
NanoES
Chemistry Library
Stevens Way NE
MoLES
Physics/Astronomy

UW Police
LDS
Gould Hall
Commodore/Apt.

Map showing Social Connectivity at South Court, Social Prospect, and Arch Terrace.
ENVIRONMENTAL CONNECTIVITY

(E) Ponderosa Pine
(E) Maple
(E) Water Oak
SOCIAL PROSPECT - OPTION 1 - Curved Amphitheater
SOCIAL PROSPECT - OPTION 1 - Curved Amphitheater
SOCIAL PROSPECT - OPTION 1 - Curved Amphitheater

Small Groups - 45 people

Small Classes - 35 people

Large Classes - 75 people
SOCIAL PROSPECT - OPTION 2 - Garden Room
SOCIAL PROSPECT - OPTION 2- Garden Room
SOCIAL PROSPECT - OPTION 3 - Orthogonal Amphitheater
SOCIAL PROSPECT - OPTION 2 - Orthogonal Amphitheater

Small Groups - 45 people

Small Classes - 35 people

Large Classes - 75 people
SOUTH COURT - OPTION 1

SOLAR STUDY

All Day Partial Sun
SOUTH COURT - OPTION 2

SOLAR STUDY

All Day Partial Sun
SOUTH COURT EVENTS

Small Groups - 30 people

Large Event - 150 people
GARDEN WALK - OPTION 1 - Straight Path
URBAN PASSAGE - Asotin Lane
POPULATION HEALTH FACILITY

architectural design progress
BASEMENT EXTENTS

LEVEL B2

building service

existing dock

16,500 GSF

LEVEL B1

Program TBD

lobby

16,500 GSF
TYPICAL OFFICE FLOOR PLATE
CONNECTION TO (ONE’S) SELF

personal health / wellness
daylight / views / fresh air
individual control
space to focus
CONNECTION TO THE TEAM  (family, community)

chance encounters  
team engagement  
the initiative  
campus fabric
welcome zone?

work space program

occupiable roof area tbd
building modulation & expression
INFLUENCES & DRIVERS

- expression of connectivity
- variability in scale (macro & micro)
- universal daylight & views
- flexibility in program
- energy performance
- constructability + affordability
CONNECTIVITY ON DISPLAY
CONNECTIVITY ON DISPLAY

WEST ELEVATION
MACRO – CAMPUS CONNECTIVITY

WEST ELEVATION
MACRO – STREETSCAPE CONNECTIVITY

WEST ELEVATION
MACRO - VERTICAL CONNECTIVITY

WEST ELEVATION
MICRO – ENVIRONMENTAL CONNECTIVITY

WEST ELEVATION
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SHADING STUDY METHODOLOGY

Summary
This initial study examines the optimal projection, angle and spacing of two external vertical shades and horizontal brise soleil to reduce peak cooling loads on the building. The west and south facades will experience the height of solar heat gains and therefore are the focus of this study.

External Vertical Shades
A simplified vertical shading solution might resemble the shading strategy in the plan view diagram below.

To understand the boundaries of this shading strategy, two angles of projection and two projection-to-spacing ratios are explored:

Study 1 - 1:1 External Vertical Shades (90°)
Perpendicular (90°) vertical shades spaced 1 ft apart from the building (1:1 projection-to-spacing ratio).

Study 2 - 1:1 External Vertical Shades (45°)
3 ft wide vertical shades with 45° angle from the facade with a 1:1 projection-to-spacing ratio.

Study 3 - 1:2 External Vertical Shades (45°)
Vertical shades with a 45° angle from the facade, but a 1:2 projection-to-spacing ratio. (External vertical shades project 1 ft from the building and spaced 2 ft apart.)

Projection-to-Spacing Ratio
A 1:1 ratio in this study is representative by a 12 inch projection from the facade and spaced 12 inches apart. The same result on the building's west facade is expected as long as this ratio is maintained. For example, vertical shades with a 14 inch projection spaced 14 inches apart with a 45° angle to the facade expect the same result as Study 1.

Brise Soleil
Study 4 and 5 analyze the optimal spacing for horizontal brise soleil. Each brise soleil is 1 in deep and the set of brise soleil are mounted 0° from the facade. Study 4 examines a 1:1 projection-to-spacing ratio and Study 5 looks at 1:3 ratio.

Study 6 - External Operable Shades
Study 6 examines external dynamic shades. These are assumed to be similar to the Vacoma external venetian blinds.